CLAIMS

What is claimed is:

1. An exhaust gas turbine for a turbocharger of an internal combustion engine, with comprising a turbine casing (1) with an inlet duct (13), a rotor (1a) ratatably supported in said turbine casing (1), a guide vane structure (9) axially movably supported in said casing (1) so as to be movable axially into and out of an annular space (8) surrounding the rotor (1a), and an actuating device (23) arranged, in the region of the outer circumference of the rotor for moving the guide vane structure (9) said actuating device (23) consisting of an operating member in the form of an electrically operable actuator (21) which is connected via a connecting part to a slide sleeve (5), said slide sleeve (5) extending around a tubular inner member (4) forming an axial the outlet duct (14) and being connected to the guide-vane structure (9).

2. An exhaust-gas turbine according to Claim 1, wherein the actuating device (23) includes an eccentric drive (23) which has an input side operatively connected on to the actuator (22) and on the output side connected to the slide sleeve (5).

3. An exhaust-gas turbine according to Claim 1, wherein the actuator (22) is an electrically operated stepping motor.

4. An exhaust-gas turbine according to claim 1, wherein the actuator (22) includes a rod (36) which is connected in an articulated manner to the eccentric drive (23) which, in turn, is connected to the slide sleeve (5).

5. An exhaust gas turbine comprising a turbine casing (1), a rotor(1a) mounted rotatably in the turbine casing (1), said casing having a spiral inlet duct (13) followed by an annular space (8) disposed around the rotor (1a), said casing (1) including near the outer circumference of the rotor (1a) an axially extending annular gap (3) between the turbine casing (1) and an inner guide tube (4), a guide vane structure (9) having one end face facing away from the annular gap (3) provided with axially extending pins (6) disposed in bores of said casing and being movable axially into an annular space, a slide sleeve (5) acting on the ends of the slide pins (6) for moving said pins (6), said guide vane structure (9) having guide vanes (10) extending between two end-face cover discs (11, 12), said guide vanes (10) when disposed in the annular gap (8) closing the annular gap with a cover disc, said sliding pins (6) being joined to the sliding sleeve (5) after the mounting of the axial slide (2) and of the slide sleeve (5) on the inner guide (4), and an actuating device in the form of an electrically operable actuator (22) for axially moving said guide vane structure (9).